

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S15 8	5	US-4509904-\$.DID. OR US-5071453-\$.DID. OR US-5988165-\$.DID. OR US-6302107-\$.DID. OR US-6386235-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 01:26
S15 9	16	((LENOIR) near2 (ZAIKER)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 02:26
S16 0	11	((KEVIN) near2 (CONFOY)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 02:27
S16 1	531	417/54.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 02:30
S16 2	1590	417/53.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 02:30
S16 3	324	417/225.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 08:45
S16 4	3	US-5170691-\$.DID. OR US-6295914-\$.DID. OR US-6776080-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 02:31
S16 5	79	S163 and motor	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 02:35
S16 6	248	417/226.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 11:59
S16 7	37	417/227.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 03:16
S16 8	577	417/403.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 03:04
S16 9	4	("3401520").URPN.	USPAT	OR	OFF	2007/01/26 03:10
S17 0	7	("2935952").URPN.	USPAT	OR	OFF	2007/01/26 03:11
S17 1	34	("1019521"   "2243978"   "2356917"   "2762307"   "2807215"   "2845030"   "2876704"   "2935952"   "3133503"   "3314367"   "3323461"   "3811798"   "4286927"   "4342544"   "4363211"   "4465438"   "4583921").PN. OR ("4734013").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 03:17
S17 2	7	("2935952").URPN.	USPAT	OR	OFF	2007/01/26 03:19
S17 3	7	("2935952").URPN.	USPAT	OR	OFF	2007/01/26 03:22
S17 4	0	("2865294").URPN.	USPAT	OR	OFF	2007/01/26 03:22
S17 5	0	("2865294").URPN.	USPAT	OR	OFF	2007/01/26 03:22
S17 6	25	("2807215").URPN.	USPAT	OR	OFF	2007/01/26 03:23
S17 7	4	("4676724").URPN.	USPAT	OR	OFF	2007/01/26 03:23
S17 8	3	("2762307").URPN.	USPAT	OR	OFF	2007/01/26 03:25

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S17 9	19	("2454418"   "2728302"   "2934043"   "3090361"   "3165068"   "3391538"   "3426695"   "3508466").PN. OR ("3641881").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 03:25
S18 0	12	("3263702"   "4726282"   "4807515"   "4865291"   "4878647"   "5098061"   "5271598"   "5813313"   "5906222"   "6386841"   "6427576").PN. OR ("6736611").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 03:26
S18 1	10	("4726282").URPN.	USPAT	OR	OFF	2007/01/26 03:28
S18 2	4	("3401520").URPN.	USPAT	OR	OFF	2007/01/26 03:30
S18 3	3	("4401415").URPN.	USPAT	OR	OFF	2007/01/26 03:33
S18 4	111	ball same screw same piston same (dual or two) same chamber	USPAT	OR	OFF	2007/01/26 03:36
S18 5	42	ball same screw same piston same reciprocate	USPAT	OR	OFF	2007/01/26 03:41
S18 6	58412	"417".clas.	USPAT	OR	OFF	2007/01/26 03:42
S18 7	49	S186 and ((ball near2 screw) same piston)	USPAT	OR	OFF	2007/01/26 03:42
S18 8	58	("1019521"   "1858036"   "2155384"   "2243978"   "2356917"   "2762307"   "2807215"   "2845030"   "2876704"   "2935952"   "2948222"   "3133503"   "3314367"   "3323461"   "3811798"   "4286927"   "4342544"   "4363211"   "4465438"   "4583921"   "4761118"   "4822115"   "4883409"   "4896552"   "4938543"   "5004403"   "5015046"   "5029950"   "5147116"   "5188436"   "5253981"   "5309553"   "5328257"   "5415489"   "5641209"   "5788341").PN. OR ("4734013"   "6079797").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 04:23
S18 9	5	("3922115"   "4089624"   "4807724"   "5516429"   "6079797").PN. OR ("6510780").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 04:31
S19 0	17	("0745298"   "0850589"   "2702008"   "4390322").PN. OR ("4761118").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 04:31
S19 1	5	("2702008").URPN.	USPAT	OR	OFF	2007/01/26 04:39
S19 2	19	("1868498"   "2702008"   "3053186"   "3276673"   "3597121"   "3776665"   "3992131"   "4105369"   "4723894"   "4761118"   "4854822").PN. OR ("5464330").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 04:44

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S19 3	135	( "3428828"   "3626670"   "3656873"   "3689204"   "3823724"   "3955901"   "3967809"   "4086653"   "4142524"   "4158530"   "4181245"   "4191646"   "4199307"   "4236880"   "4265601"   "4273121"   "4277226"   "4303376"   "4310141"   "4375346"   "4381005"   "4391600"   "4430048"   "4479760"   "4479761"   "4479762"   "4530759"   "4552552"   "4559044"   "4560472"   "4584061"   "4586920"   "4618343"   "4634430"   "4639245"   "4648810"   "4657490"   "4661246"   "4696671"   "4747828"   "4778356"   "4778451"   "4784576"   "4798580"   "4808161"   "4816019"   "4818186"   "4818190"   "4823552"   "4826482"   "4830586"   "4842584"   "4844074"   "4848722"   "4850805"   "4852851"   "4858883"   "4872813"   "4886432"   "4923598"   "4927411"   "4941519"   "4942735"   "4976162"   "5002471"   "5004459"   "5006050"   "5006997"   "5062774"   "5088515"   "5098262"   "5106366"   "5141493"   "5178182"   "5252044"   "5316452"   "5332372"   "5344292"   "5350357"   "5385540"   "5389243"   "5409355"   "5415528"   "5429485"   "5431626"   "5458468"   "5476368"   "5487649"   "5542919"   "5554013"   "5556263"   "5563584"   "5586868"   "5588816"   "5601420"   "5603354"   "5620312"   "5628908"   "5632606"   "5634896"   "5641405"   "5669764"   "5676530"   "5718569"   "5720313"   "5729653"   "5807075"   "5816779"   "5836908"   "5921951"   "5924975"   "5928196"   "5931647"   "5938634"   "5944495"   "5945831"   "5965433"   "5989423"   "6007310"   "6017194"   "6017198"   "6036668"   "6122972"   "6126403"   "6129699"). PN. OR ("6165154"   "6231320"   "6234992"   "6254567"   "6293926"   "6302653"   "6364857"   "6416293").PN. OR ("6953323").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 06:40
S19 4	11	( "1099155"   "3168872"   "3631818"   "4008003"   "4479758"   "4599049"   "4941809"   "5015157"   "5482448").PN. OR ("5961303").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 08:38
S19 5	67	( "3922149"   "4272265"   "4323370"   "4404005"   "4428372"   "4496376"   "4537607"   "4552571"   "4636226"   "4648888"   "4673415"   "4681099"   "4681602"   "4698075"   "4732587"   "4737170"   "4783205"   "4787417"   "4810265"   "4869733"). PN. OR ("5071453").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 08:41
S19 6	9	( "4509904").URPN.	USPAT	OR	OFF	2007/01/26 08:44
S19 7	324	417/225.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 08:45
S19 8	1	S197 and (ball near2 screw)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 08:46
S19 9	248	(ball near2 screw) same motor same piston same valve	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 08:47
S20 0	401	(ball near2 screw) same piston same (dual or two)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 08:48
S20 1	43	S200 and reciprocate	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 08:50
S20 2	175	417/92.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 08:53
S20 3	3	( "4326380"   "4741673").PN. OR ("5131819").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 08:52
S20 4	388	417/393.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 08:53

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S20 5	10	("0764156"   "3056353"   "4304529"   "4350022"   "4444547"   "4515516"   "4761118"   "5433240").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 08:56
S20 6	300	417/254.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 12:05
S20 7	1286	417/415.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 12:06
S20 8	28142	(thread or screw) NEAR5 BALL	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 12:34
S20 9	24	S207 and S208	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 12:13
S21 0	1	S206 and S208	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 12:13
S21 1	21	("0938004"   "1158030"   "1668099"   "2241957"   "2765976"   "2885963"   "3861223").PN. OR ("4111609").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 12:19
S21 2	25	("0671236"   "0956058"   "1724934"   "2175463"   "2392711"   "2966036"   "3164325"   "3232885"   "3500635"   "3939656"   "4087209"   "4111609").PN. OR ("4811558").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 12:27
S21 3	25	("0159533"   "2449930"   "2878990"   "2991003"   "3035879"   "4087209"   "4111609"   "4313714").PN. OR ("4627795").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 12:31
S21 4	324	S208 and (piston same reciprocate)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 12:35
S21 5	38	("3199341"   "3666141"   "3847507"   "3882861"   "3915651"   "3966358"   "4076458"   "4137913"   "4209258"   "4259038"   "4299541"   "4313075"   "4321014"   "4326837"   "4331262"   "4336000"   "4339699"   "4396385"   "4397610").PN. OR ("4566868").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 12:37
S21 6	2	US-US4036309-\$ DID. OR US-4208879-\$ DID. OR US-US4216700-\$ DID. OR US-5806404-\$ DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 12:39
S21 7	24	("1930155"   "2030966"   "2994345"   "3068596"   "3596561"   "4066189").PN. OR ("4208879").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 12:40
S21 8	4	("3865430"   "4750208"   "5533336"   "5678889").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 12:54
S21 9	15	("2403912"   "2587571"   "3095190"   "3595163"   "4896594"   "4898082"   "5031506"   "5140895"   "5253572").PN. OR ("5533336").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 17:57
S22 0	9	US-6000416-\$ DID. OR US-6196523-\$ DID. OR US-6349858-\$ DID. OR US-4543044-\$ DID. OR US-2711134-\$ DID. OR US-3183840-\$ DID. OR US-5468128-\$ DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 13:03
S22 1	3	US-4159784-\$ DID. OR US-4509904-\$ DID. OR US-4856967-\$ DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 13:07
S22 2	28	("1513422"   "1636614"   "1816403"   "2724963"   "2737804"   "3070023"   "3234882"   "3481587"   "3502001"   "3731530"   "3825122"   "4083228"   "4441862"   "4457210"   "4470771"   "4490096"   "4555220").PN. OR ("4856967").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 14:22

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S22 3	1	"4111609".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 17:58
S22 4	21	("0938004"   "1158030"   "1668099"   "2241957"   "2765976"   "2885963"   "3861223").PN. OR ("4111609").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 18:32